MERCER Investment Consulting

February 16, 2007

Total Fund Review – Fourth Quarter Board Meeting Arizona State Retirement System

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Economic Environment

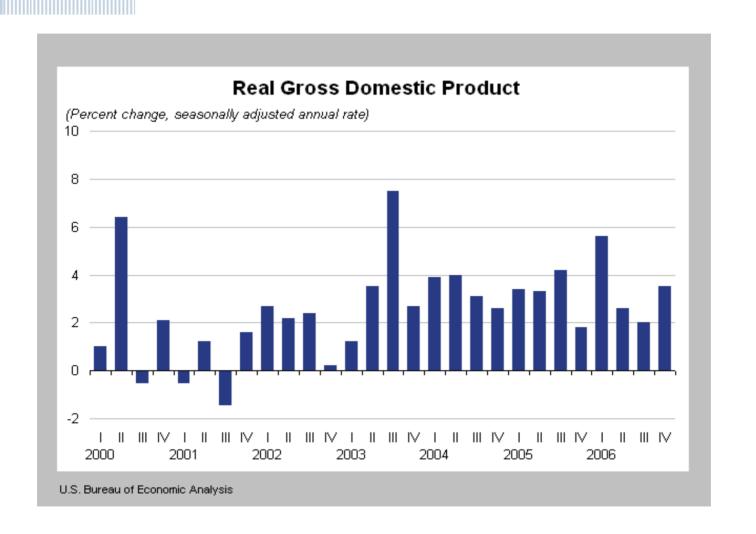
Economy Grew During Fourth Quarter Decline in the Housing Market Continues

- Economic growth picked up during the fourth quarter due to strongerthan-expected consumer spending, solid job creation, and falling energy prices. The initial government estimate of fourth quarter GDP growth was 3.5%
- Payroll reports showed strong job growth with employers adding about 480,000 new jobs during the quarter. The unemployment rate at December-end was 4.5%, down from 4.9% a year ago
- Consumer confidence rose in December amid an improved job market and more optimism about the economy. Consumer spending increased at an estimated 3.5% annual rate during the fourth quarter, well above the 2.8% rate in the third quarter. For the year, retail sales were up 6%, slightly below last year's sales growth

Economy Grew During Fourth Quarter Decline in the Housing Market Continues

■ The housing market remained soft despite stronger-than-expected home sales in November. Housing starts are down 18% from a year ago, and mortgage applications are at their lowest level since August. The average 30-year fixed-rate mortgage hit a high for the year of 6.80% in July, but fell to 6.12% at the end of December

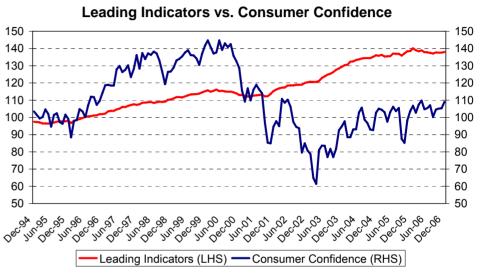
Growth Rebounds Economy Continues to Show Amazing Strength



Growth Rebounds Future Direction Depends on Balance of Conflicting Forces

State of the U.S. Economy: Positives

- Consumer confidence rose late in the quarter
 - Easing of crude prices
 - Unemployment rate remained unchanged at 4.5%
 - Subsiding inflationary fears
 - Mortgage applications were up
- Business environment positive
 - Despite slowing economic activity, corporate profits remained high
 - Manufacturers' new orders for consumer goods and materials up since September
 - Significant number of corporate actions:
 - Record-setting merger and acquisition and buyout activity
 - Significant share buybacks
 - CEO confidence about future revenue growth prospects is very high (PricewaterhouseCoopers' 10th Annual Global CEO Survey)
 - Interest rates remain low globally

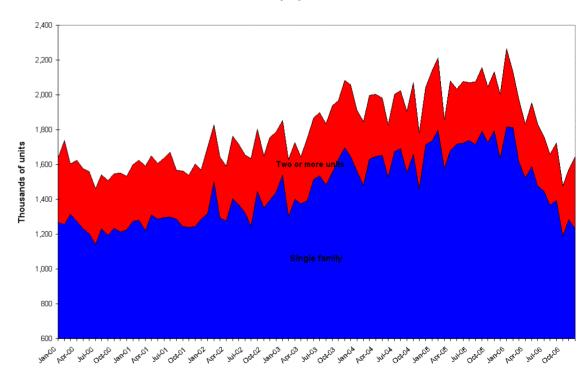


Growth Rebounds Future Direction Depends on Balance of Conflicting Forces

State of the U.S. Economy: Negatives

- Economy is clearly slowing, but to what degree?
 - Housing downturn is a major concern due to its potential spill-over effects to other sectors of the economy
 - Operating earnings are on pace to produce their lowest year-over-year gains in more than 4 years
 - Concerns over slowing corporate profits and the impact of inflation on interest rates may challenge markets in 2007
- Market environment has emboldened investors to take on risk

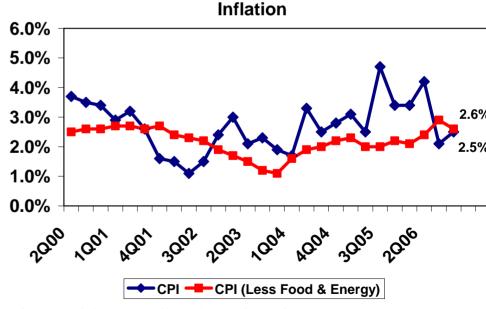
New Housing Units Started in the United States Seasonally Adjusted Annual Rate



Growth Rebounds Future Direction Depends on Balance of Conflicting Forces

State of the U.S. Economy: Fed Watch & Interest Rates

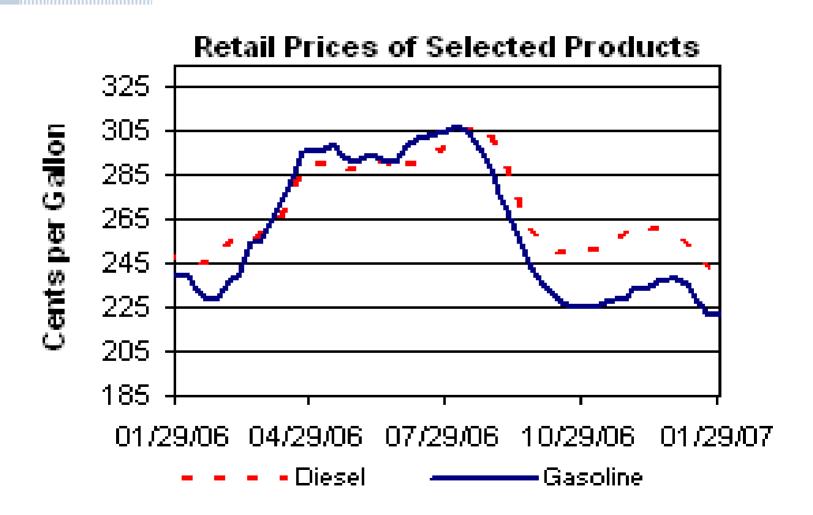
- Fed continued to hold rates unchanged at its two meetings during the quarter
 - Inflation tempered by falling crude prices and moderating economy
 - However, Fed has indicated that further policy firming may be necessary, but this will be very data-dependent
- Consumer prices rose by 2.5% in 2006
 - Best showing since 2003
 - Energy prices moderating in the second half of the year
 - Increased by 22.8% in first half of year, then declined 13.4% in the last half
 - Core CPI up 2.6% versus 2.2% in each of the preceding two years
 - Shelter component of index primary contributor
 - Upturn in apparel also contributed



Source: U.S. Department of Labor Bureau of Labor Statistics.

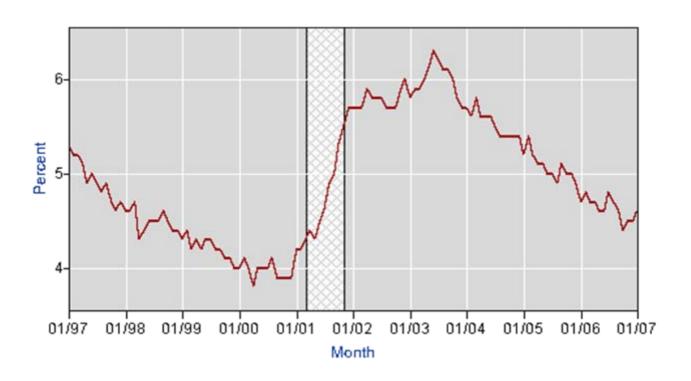
All Urban Consumers. Year-over-year. Seasonally Adjusted.

Energy Prices Continue to Decline Improves Consumer Sentiment



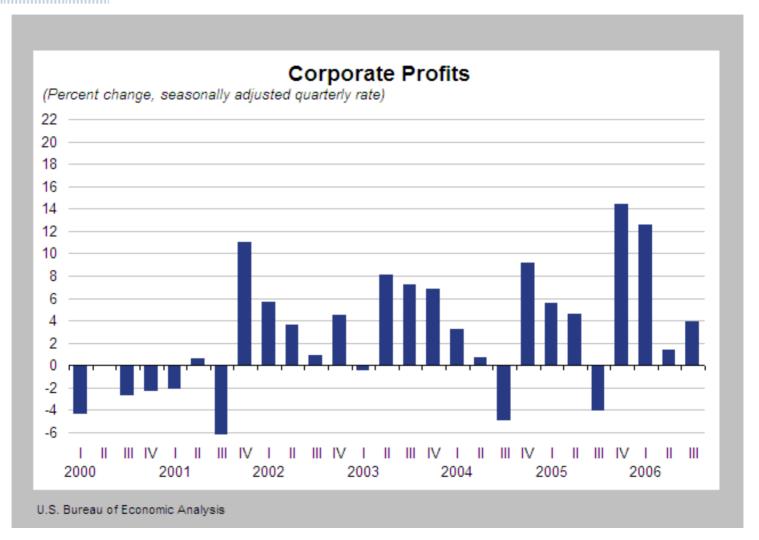
Unemployment Edges Up Economy Sends Mixed Signals

Unemployment rate (seasonally adjusted)

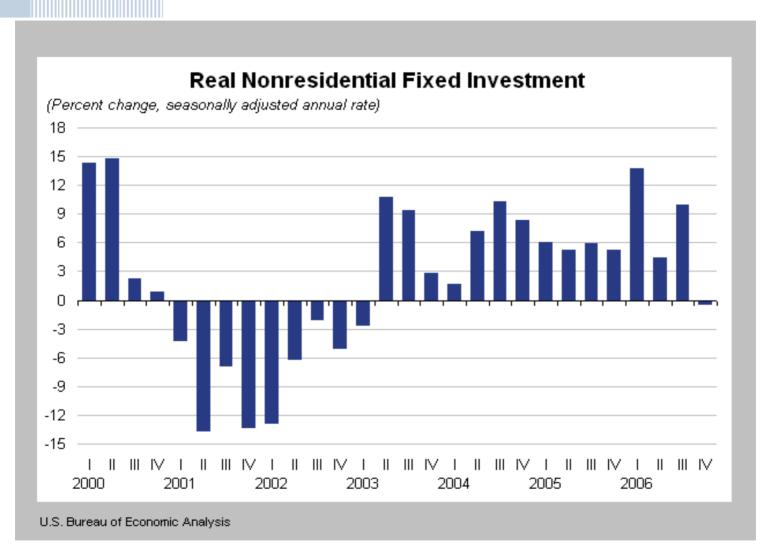


Note: Cross-hatched area represents recession.

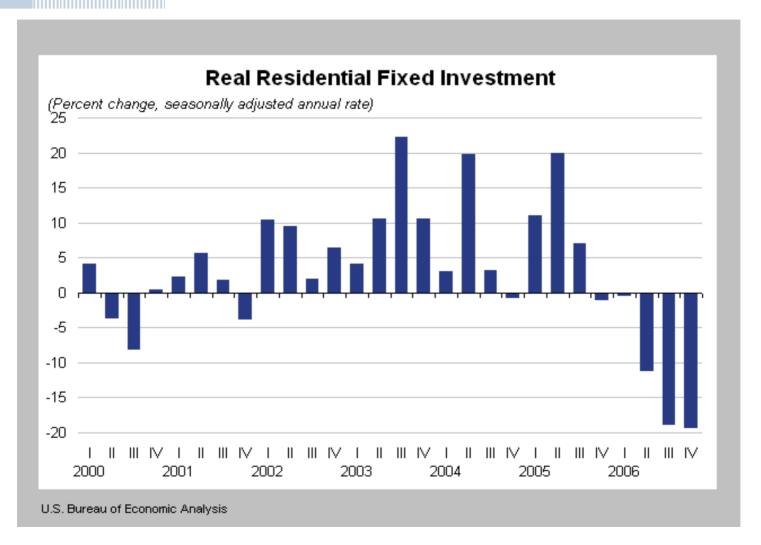
Corporate Profitability Continues to Grow Past Two Quarters Were a Little Weaker



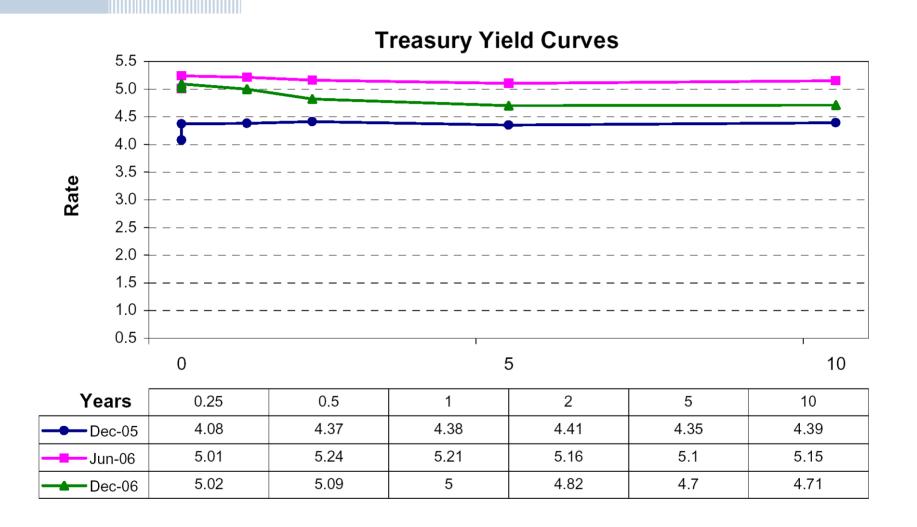
Non-residential Investments Slow Dramatically Need a Second Slow Quarter to Confirm



Very Steep Decline in Housing Activity



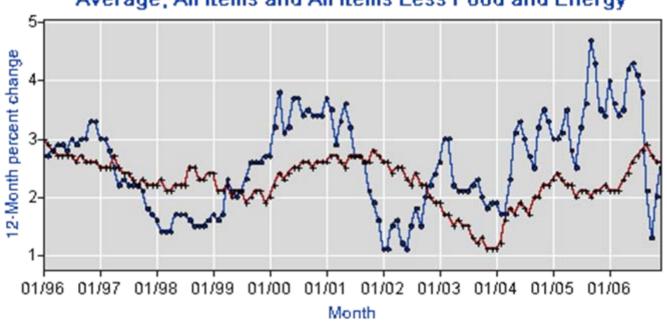
Yields Rose During the Quarter Yield Curve Is Still Inverted

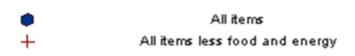


Source: Datastream

Consumer Core Inflation Is Trending Down Food and Energy Are Trending Up

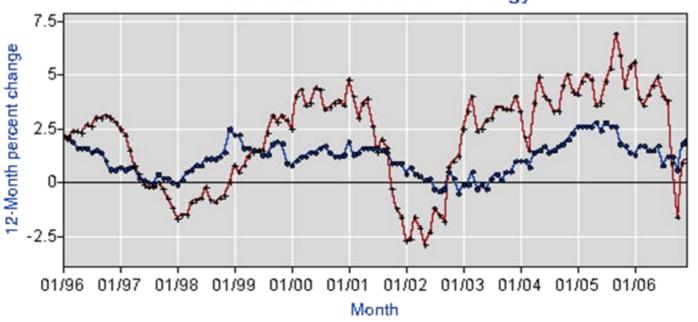
Consumer Price Index for All Urban Consumers: U.S.City
Average, All Items and All Items Less Food and Energy





Producer Price Inflation Mirrors Consumer Inflation

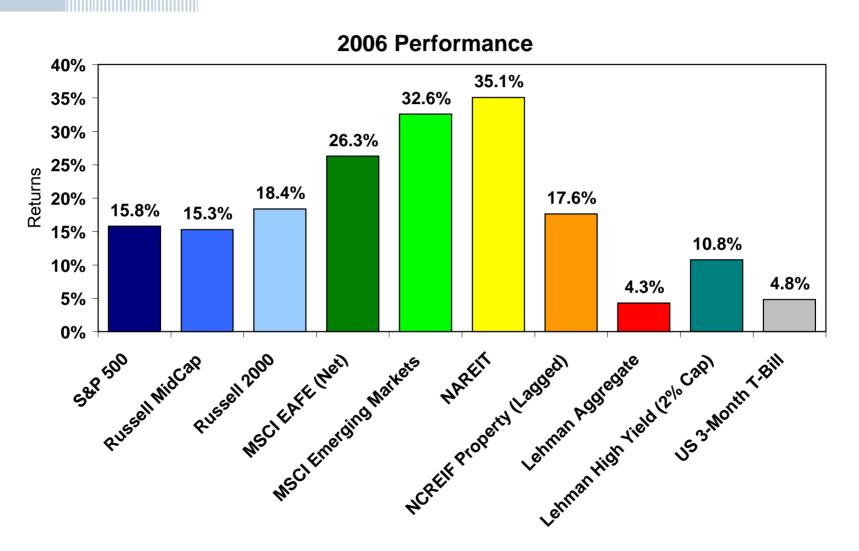
Producer Price Index for Finished Goods and Finished Goods Less Foods and Energy





Securities Markets

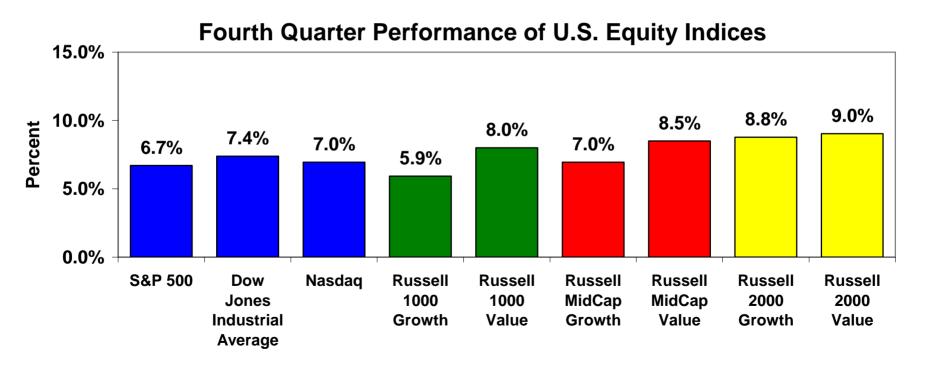
2006 Was A Great Year for Investors Only Lehman Aggregate Was Below Long-Term Expectations



Extremely Strong U.S. Equity Returns for 2006Q4 Returns for the Quarter Near or Above Annual Expectations

Capital Markets: U.S. Equity Market

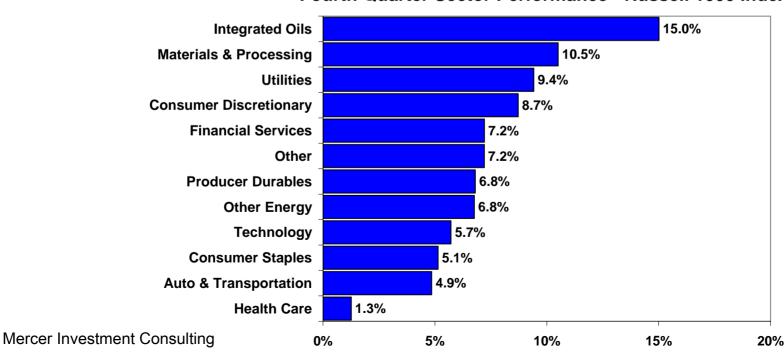
- Policy decisions by the Fed to hold rates steady; easing crude prices; and benign inflation caused U.S. equities to rally
- Large cap stocks lagged small cap issues for the quarter and year
- Value continued to outperform growth



Large Cap Stocks Were Very Strong Performance Across Sectors Was Fairly Even

Capital Markets: U.S. Large Cap Equity Market

- Despite easing crude prices, diversified energy companies delivered strong earnings, led by Exxon Mobil (14.6% return)
- Materials & processing stocks rebounded due to momentum earnings expectations and demand in select companies
- Reform concerns in a Democrat controlled Congress sent health care stocks lower
 Fourth Quarter Sector Performance - Russell 1000 Index



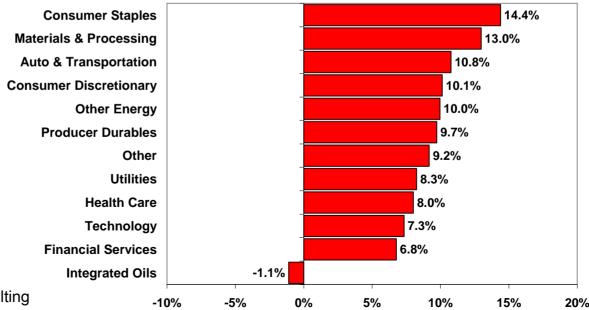
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Small Cap Consumer Stocks Were Very Strong Integrated Oil Stocks Performed the Worst!

Capital Markets: U.S. Small Cap Equity Market

- M&A activity continues to be a major stimulant in boosting small & mid cap stocks
- Consumer confidence and spending levels elevated consumer staple and consumer discretionary stocks
- As with large cap stocks, material & processing issues performed well
- Banking stocks negatively impacted the financial services sector

Fourth Quarter Sector Performance - Russell 2000 Index



Small Cap Regains Market Leadership

- Small Cap was very strong across the styles
- Large Growth lagged the other segments

4Q2006	Growth	Core	Value
Large	5.93	6.96	8.01
Mid	6.95	7.67	8.52
Small	8.78	8.91	9.04

Note: Russell 1000, Mid-Cap, 2000 Indices: Growth, Core, Value

One-Year Returns Far Above Expectations

- Core and Value are twice our current long-term return expectations
- Strongest performance for growth so far this century

1-Year Returns	Growth	Core	Value
Large	9.09	15.47	22.25
Mid	10.67	15.28	20.23
Small	13.34	18.36	23.46
Note: Russell 1000, Mid-			

Three-Year Results Are Strong

- Returns for all asset classes except large growth are well above long-term expectations
- Large growth has been weak since 2000 and the end of the dot-com era, but is showing signs of strength

3-Year Returns	Growth	Core	Value
Large	6.87	10.98	15.09
Mid	12.73	16.00	18.76
Small	10.49	13.54	16.47
Note: Russell 1000, Mid-Ca			

Cumulative 3-Year Results Are Generally Strong

- Returns for all but large growth are excellent; recovery continues to be strong
- Value returns were exceptional

Cumulative 3-Yr	Growth	Core	Value
Large	22.06	36.69	52.44
Mid	43.26	56.09	67.50
Small	34.89	46.37	57.99
Note: Russell 1000, Mid-Cap			

Five-Year Results Still Show Wide Variations

- Large Growth is making a slow comeback
- Value, particularly small/mid value, is superior to other styles

5-Year Returns	Growth	Core	Value
Large	2.70	6.84	10.86
Mid	8.23	12.89	15.88
Small	6.93	11.40	15.39
Note: Russell 1000, Mid-Ca			

Cumulative 5-Year Results Vary Greatly, Depending on Market Segment

- Huge spread between growth and value
- Small and mid-value more than doubled

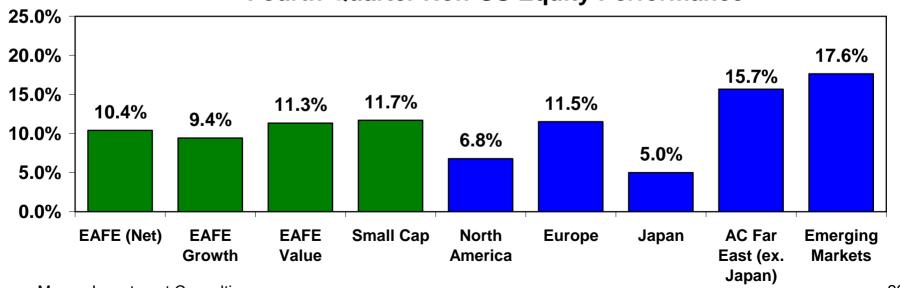
Cumulative 5-Yr	Growth	Core	Value
Large	14.25	39.21	67.45
Mid	48.50	83.35	108.95
Small	39.80	71.56	104.57
Note: Russell 1000, Mid-Cap			

Non U.S. Equities Also Had a Good Quarter We Seem to Be in a Period of Sustained Global Growth

Capital Markets: Non-U.S. Equity Markets

- Falling energy prices, economic strength and corporate activity (M&As and share buybacks) boosted non-U.S. stocks
- Europe rose 6.5% in local currency terms and was further boosted by the continued weakening of the U.S. dollar
- Japan lagged despite strength in exports and robust corporate profitability
- Emerging markets produced very strong returns

Fourth Quarter Non-US Equity Performance

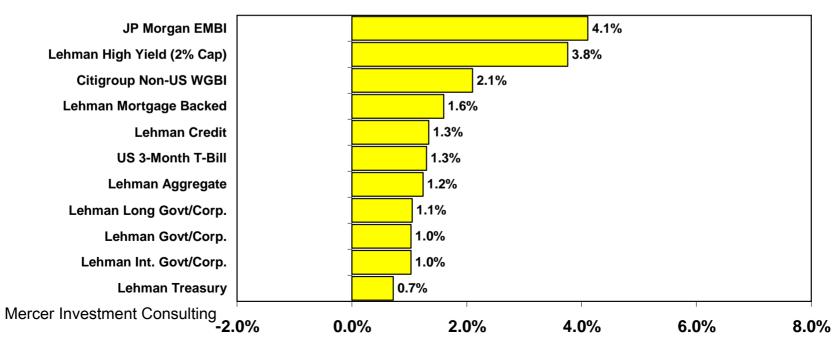


US Fixed Income Returns Were Modest Equity-Like High Yield Continued Strong Performance

Capital Markets: Fixed Income Market

- Moderate returns were earned in the U.S. fixed income market
- Spread markets outperformed U.S. Treasuries
- Short-term rates rose incrementally more than longer-term rates
- Out-of-benchmark sectors continued to deliver strong returns
- Market expects three Fed easings over the next 12–18 months

Fourth Quarter Fixed Income Performance



Alternative Investments Continue to Attract Institutional Assets

Capital Markets: Alternatives – Private Equity

■ Fundraising slowed in 4Q, but 2006 set new records with \$131.4 billion in

new inflows

- Venture Capital activity:
 - 37 venture capital funds raised \$2.8 billion (vs. \$4.9 billion prior quarter)
 - Largest quarter: Benchmark
 Europe III (\$550 million), Granite
 Global Ventures III (\$400 million) &
 Sofinnova Venture Partners (\$375 million)
- Buyout activity
 - 39 Buyout & Mezzanine funds raised \$17.8 billion (vs. \$22.9 billion prior quarter)

	Periods Ending June 30, 2006				
Fund Type	1 Year	3 Years	5 Years	10 Years	
Early/Seed VC	11.0%	5.4%	-7.6%	36.9%	
Balanced VC	20.5	12.5	-0.2	17.0	
Later Stage VC	16.4	9.4	-1.1	9.5	
All Venture	16.2%	9.0%	-3.5%	20.8%	
Small Buyouts	12.1%	9.6%	3.7%	7.1%	
Med Buyouts	21.5	11.8	5.0	11.1	
Large Buyouts	26.8	15.8	6.3	8.6	
Mega Buyouts	28.5	17.5	7.2	8.9	
All Buyouts	27.3%	16.3%	6.6%	8.9%	
Mezzanine	9.7%	5.3%	2.6%	6.2%	
All Private Equity	22.5%	13.4%	3.6%	11.4%	
NASDAQ	5.6	10.2	0.0	6.2	
S & P 500	6.6	9.2	0.7	6.6	

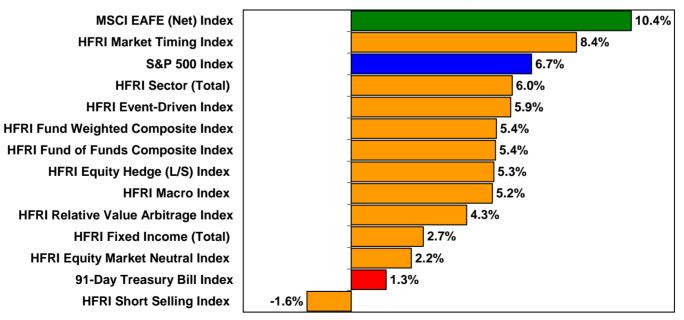
Source: Thomson Venture Economics/National Venture Capital Association. The Private Equity Performance Index is based on the latest quarterly statistics from Thomson Venture Economics' Private Equity Performance Database analyzing the cashflows and returns for 1,862 US venture capital and private equity partnerships with a capitalization of \$679 billion.

- Funds deploying capital more rapidly, which may lead to increased price pressure
- Investors are continuing to increase allocations to private equity
- Reinvestment risks are present in subsequent investments, particularly buyout

Hedge Funds Growth Seems to Be Slowing Headline Risks Are More Apparent

Capital Markets: Alternatives – Hedge Funds

- Despite slowing in 4Q, hedge funds attracted \$126.5 billion in assets for 2006
 - Equity hedge and event-driven strategies had the strongest quarter flows for 4Q
- Average hedge fund continued to lag broader equity indices
 - Returns in emerging markets lead industry for second consecutive quarter
 - On a broader basis, market timing strategies performed well while short-sellers lagged
 Fourth Quarter Hedge Fund Returns



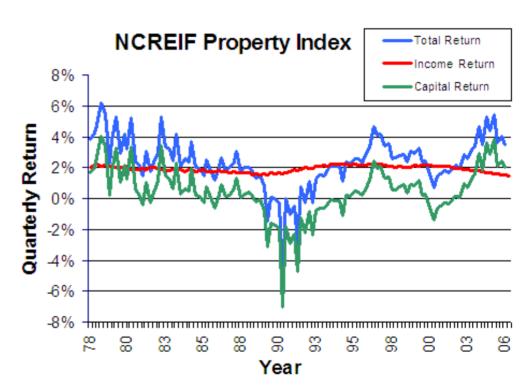
Source: Hedge Fund Research, Inc. Includes 6,000+ constituent funds. Includes both domestic and offshore funds. All funds report assets in USD. All funds report Net of All Fees returns on a monthly basis. Weighted Composite Index excludes fund of funds.

Real Estate Provided Attractive Returns REITs Continue to Roll: 7th Year As Top U.S. Asset Class

Capital Markets: Alternatives – Real Estate

Private Real Estate

- NCREIF Property Index returned 4.5% for 4Q (1.5% Income and 3.0% Appreciation); returns for 2006 were 16.6% (6.2% Income and 9.9% Appreciation);
- Quarterly Sector Returns hotel
 (7.0% return) and office (5.8%)
 lead performance while retail (3.4%)
 was the weakest sector
- Quarterly Regional Returns East (5.7% return) and West (4.6%) continued to demonstrate the best results



Public Real Estate

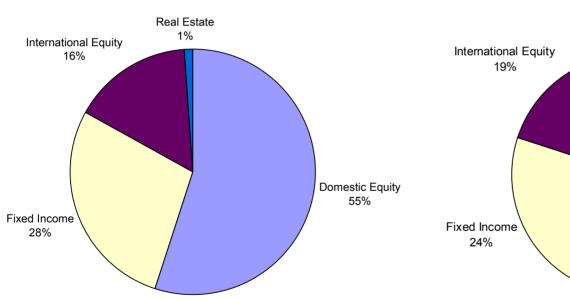
- REITS recorded very strong performance in 4Q (9.5% return) and 2006 (up over 35%);
 outperformed all other major U.S. equity market benchmarks for the seventh straight year
- Top-performing industry sectors included office (45.2% return); health care (44.6%), self-storage (41.0%) and apartments (40.0%)
- Boosted by number of mergers and acquisitions and steady economic growth
 Mercer Investment Consulting

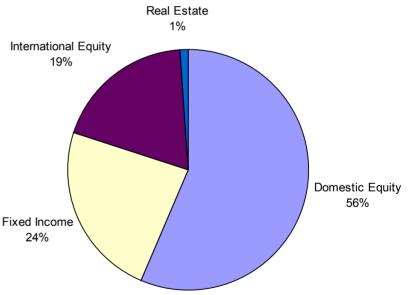
ASRS Total Fund Performance

Total Fund Asset Allocation December 31, 2006

Policy Adjusted for Transition into Real Estate

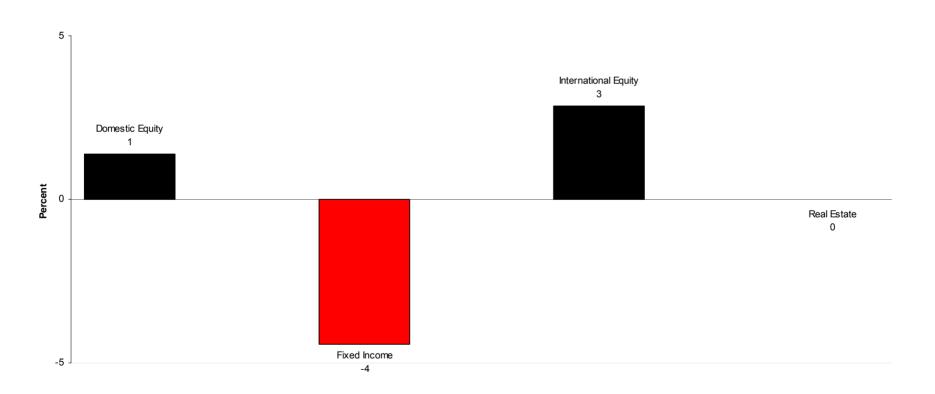
Actual Asset Allocation





Total Fund Asset Allocation December 31, 2006

Actual Asset Allocation vs. Policy Adjusted for Transition into Real Estate



Total Fund Performance For Periods Ending December 31, 2006

	Quarter	1 Year	3 Years	5 Years	10 Years	Inception
Total Fund	6.0%	14.0%	10.6%	8.2%	8.9%	11.0%
Benchmark*	5.8	14.3	10.2	7.7	7.8	10.8
Excess Return	0.2	-0.3	0.4	0.5	1.1	0.2

Policy History:

- 7/1/75-12/31/79 40% S&P 500/60% LB Aggregate
- 1/1/80-12/31/83 50% S&P 500/50% LB Aggregate
- 1/1/84-12/31/91 60% S&P 500/40% LB Aggregate
- 1/1/92-12/31/94 50% S&P 500/40% LB Aggregate/10% EAFE
- 1/1/95-6/30/97 45% S&P 500/40% LB Aggregate/15% EAFE
- 7/1/97-12/31/99 50% S&P 500/35% LB Aggregate/15% EAFE
- 1/1/00-9/30/03 53% S&P 500/30% LB Aggregate/17% EAFE
- 10/1/03-present 53% S&P 500/26% LB Aggregate/15% MSCI EAFE/ACW ex. US⁽¹⁾/6% NCREIF+100 bps.

^{*} Interim Benchmark: 55% S&P 500, 28% LB Aggregate, 16% MSCI EAFE/ACW ex. US⁽¹⁾, and 1% NCREIF+100 bps. Note: Interim Benchmark incorporates a proration of 5% real estate.

⁽¹⁾ MSCI EAFE/ACW ex. US Benchmark is the MSCI EAFE prior to 10/1/05 and the MSCI ACW ex. US thereafter.

Total Fund Performance For Periods Ending December 31, 2006

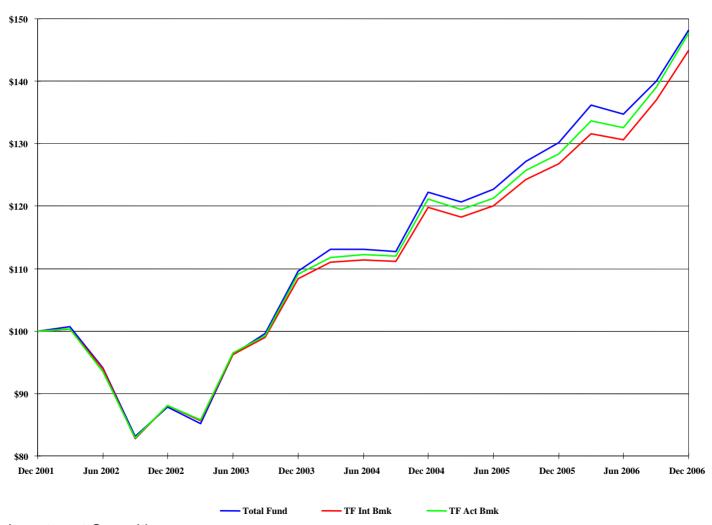
		1 Year	3 Years	5 Years	10 Years	Inception
	ASRS Total Fund	14.0%	10.6%	8.2%	8.9%	11.0%
1)	Actuarial Assumption	8.0%	8.0%	8.0%	8.0%	7.6%
	Excess Return	6.0%	2.6%	0.2%	0.9%	3.4%
2)	Asset Allocation Target	7.4%	7.4%	7.7%	8.3%	N/A
	Excess Return	6.6%	3.2%	0.5%	0.6%	N/A
3)	CPI Inflation + 3.75%	6.3%	6.8%	6.5%	6.2%	8.1%
	Wage Inflation + 3.75%	4.6%	7.7%	7.8%	7.1%	8.2%
	Excess Return - CPI	7.7%	3.8%	1.7%	2.7%	2.9%
	Excess Return - Wage	9.4%	2.9%	0.4%	1.8%	2.8%

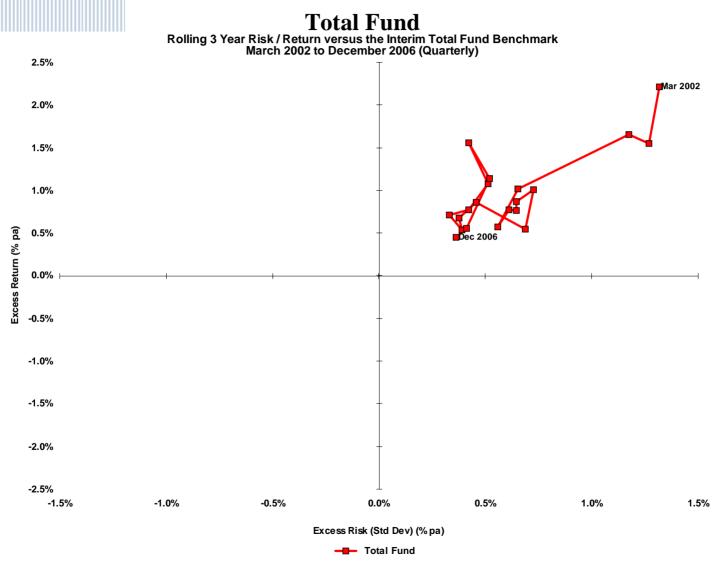
Supplemental Comparison Information For Periods Ending December 31, 2006

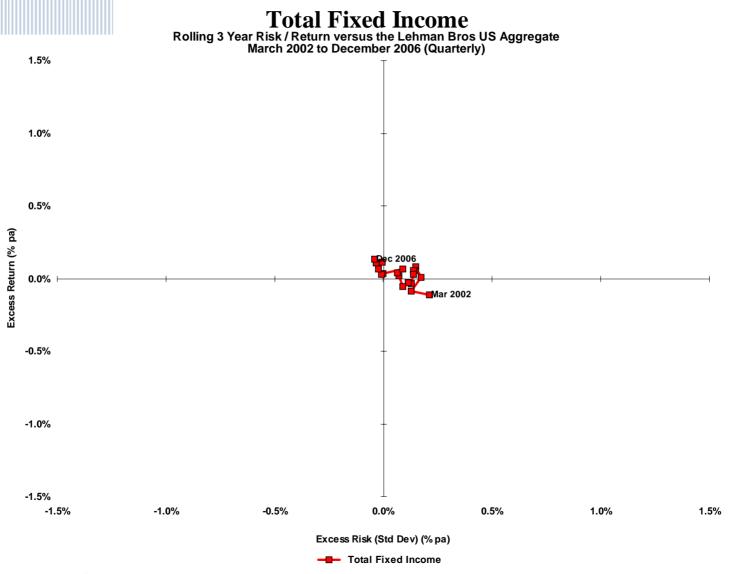
	1 Year	3 Years	5 Years	10 Years	15 Years
Russell/Mellon Trust Universes					
Master Trust Funds - Total Funds	40	60	67	50	49
Total Funds - Public	55	80	94	46	34
Total Funds Billion Dollar - Public	62	85	94	54	42
Total Funds - Corporate	32	54	59	44	50
Wilshire Trust Universe Comparison Service					
Master Trusts - All	29	40	49	45	44
Public Funds	38	45	54	39	23
Public Funds Greater than \$1.0 Billion	53	70	76	53	31
Corporate	29	44	51	54	58
Callan Associates Inc.					
Total Funds	38	53	62	46	36
Public Funds	39	58	64	36	23
Public Funds - Large (>1B)	56	84	86	44	24
Corporate Funds	33	45	58	46	40

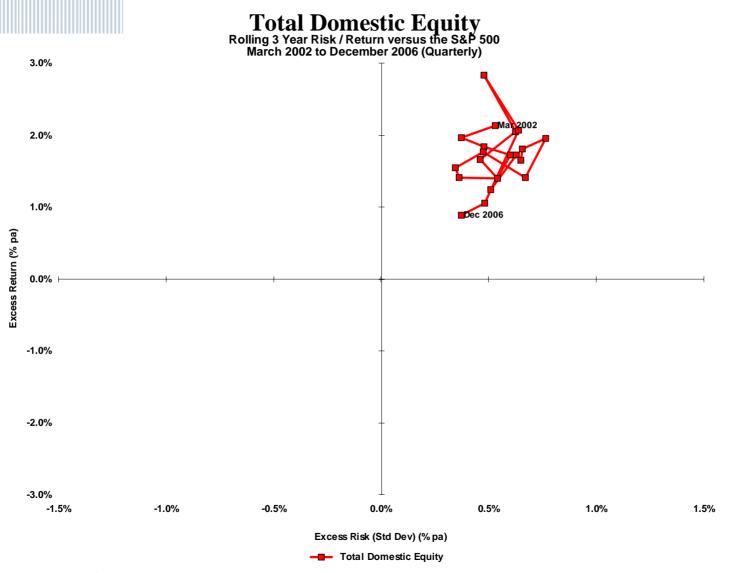
Total Fund Growth

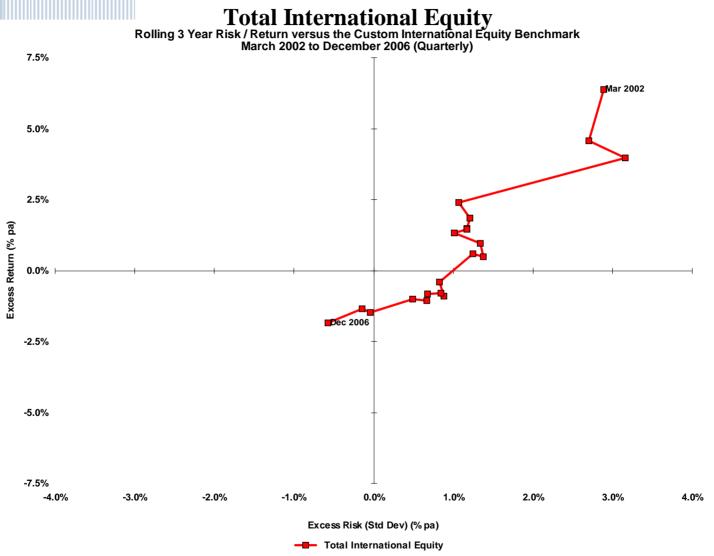
Total Fund
Value of \$100 invested in US Balanced from Jan 2002 to Dec 2006











Performance vs. Benchmarks For the 3 Years Ending December 31, 2006

		Assumed	
	<u>Return</u>	<u>ROR</u>	Std. Dev.
Total Fund	10.6%	7.4%	5.9%
Benchmark*	10.2		5.6
Domestic Fixed	3.8	4.5	3.8
LB Aggregate	3.7		3.8
Domestic Equity	11.3	8.5	7.4
S&P 500	10.4		7.0
Intl. Equity	18.8	8.5	10.4
Custom Bmk	20.6		11.0
Real Estate	N/A		N/A

^{*} Interim Benchmark: 55% S&P 500, 28% LB Aggregate, 16% MSCI EAFE/ACW ex. US, and 1% NCREIF+100 bps. Note: Interim Benchmark incorporates a proration of 5% real estate.

Performance vs. Benchmarks For the 5 Years Ending December 31, 2006

	Return	Assumed ROR	Std. Dev.
Total Fund	8.2%	7.7%	11.1%
Benchmark*	7.7		10.8
Domestic Fixed	5.1	4.9	3.7
LB Aggregate	5.1		3.7
Domestic Equity	7.3	8.8	15.5
S&P 500	6.2		15.2
Intl. Equity	14.6	9.0	18.4
Custom Bmk	15.5		18.0
Real Estate	N/A		N/A

^{*} Interim Benchmark: 55% S&P 500, 28% LB Aggregate, 16% MSCI EAFE/ACW ex. US, and 1% NCREIF+100 bps. Note: Interim Benchmark incorporates a proration of 5% real estate.